

Yannis Dotsikas

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

1,877
citations

279487

23
h-index

288905

40
g-index

88
all docs

88
docs citations

88
times ranked

2560
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Validation of a Novel RP-HPLC Method for the Determination of Cetrimide and Chlorhexidine Gluconate in Antiseptic Solution. <i>Analytica</i> A Journal of Analytical Chemistry and Chemical Analysis, 2022, 3, 79-91.	0.8	8
2	The relationship between neurotransmission-related amino acid blood concentrations and neuropsychological performance following acute exercise. <i>Applied Neuropsychology Adult</i> , 2022, , 1-15.	0.7	1
3	Chemometrically Assisted Optimization of Pregabalin Fluorescent Derivatization Reaction with a Novel Xanthone Analogue and Validation of the Method for the Determination of Pregabalin in Bulk via a Plate Reader. <i>Molecules</i> , 2022, 27, 1954.	1.7	1
4	Quantitation and evaluation of perinatal medium-chain and long-chain acylcarnitine blood concentrations in 12,000 full-term breastfed newborns. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2021, 34, 1023-1030.	0.4	1
5	A Validated RP-HPLC Method for the Determination of Butamirate Citrate and Benzoic Acid in Syrup, Based on an Experimental Design Assessment of Robustness. <i>Separations</i> , 2021, 8, 163.	1.1	4
6	Synthesis, spectroscopic and computational evaluation of a xanthene-based fluorogenic derivatization reagent for the determination of primary amines. <i>Dyes and Pigments</i> , 2021, 196, 109798.	2.0	2
7	The phenylketonuria patient: A recent dietetic therapeutic approach. <i>Nutritional Neuroscience</i> , 2020, 23, 628-639.	1.5	17
8	The significant role of amino acids during pregnancy: nutritional support. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020, 33, 334-340.	0.7	39
9	The significant role of carnitine and fatty acids during pregnancy, lactation and perinatal period. Nutritional support in specific groups of pregnant women. <i>Clinical Nutrition</i> , 2020, 39, 2337-2346.	2.3	13
10	Nutrition and medical support during pregnancy and lactation in women with inborn errors of intermediary metabolism disorders (IEMDs). <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2020, 33, 5-20.	0.4	13
11	Birth weight related essential, non-essential and conditionally essential amino acid blood concentrations in 12,000 breastfed full-term infants perinatally. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2020, 80, 571-579.	0.6	4
12	Perinatal free carnitine and short chain acylcarnitine blood concentrations in 12,000 full-term breastfed newborns in relation to their birth weight. <i>Pediatrics and Neonatology</i> , 2020, 61, 620-628.	0.3	5
13	Increased blood concentrations of neurotransmission amino acids and modulation of specific enzyme activities after resistance and endurance exercise. <i>Sport Sciences for Health</i> , 2020, 16, 217-226.	0.4	1
14	Birth weight related blood concentrations of the neurotransmission amino acids glutamine plus glutamate, phenylalanine and tyrosine in full-term breastfed infants perinatally. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2020, 33, 367-373.	0.4	1
15	Desirability Based Optimization of New Mesalazine Modified Release Formulations: Compression Coated Tablets and Mini Tablets in Capsules. <i>Letters in Drug Design and Discovery</i> , 2020, 17, 114-123.	0.4	1
16	Quantitation of the arginine family amino acids in the blood of full-term infants perinatally in relation to their birth weight. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2019, 32, 803-809.	0.4	4
17	Novel Molecular Descriptors for the Liquid- and the Gas-Chromatography Analysis of Amino Acids Analogues Derivatized with n-Propyl Chloroformate. <i>Chromatographia</i> , 2019, 82, 1531-1539.	0.7	0
18	Hematocrit effect on dried blood spots in adults: a computational study and theoretical considerations. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2019, 79, 325-333.	0.6	19

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19	Classical galactosemia patients can achieve high IQ scores. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2019, 32, 399-401.	0.4	2
20	Perinatal Reduced Blood Concentrations of Free Carnitine and Acylcarnitines in Infants with Cystic Fibrosis. <i>American Journal of Perinatology</i> , 2019, 38, 828-833.	0.6	1
21	Identification of the factors affecting the consistency of DBS formation via experimental design and image processing methodology. <i>Microchemical Journal</i> , 2019, 145, 1003-1010.	2.3	6
22	A GC-MS method for the determination of furanylfentanyl and ocfentanil in whole blood with full validation. <i>Forensic Toxicology</i> , 2019, 37, 238-244.	1.4	20
23	Utilization of a Single Experimental Design for the Optimization of Furosemide Modified-Release Tablet Formulations. <i>Current Drug Delivery</i> , 2019, 16, 931-939.	0.8	1
24	Identification of five mutations in a patient with galactose metabolic disorders. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2018, 31, 221-222.	0.4	3
25	Analysis of potential genotoxic impurities in rabeprazole active pharmaceutical ingredient via Liquid Chromatography-tandem Mass Spectrometry, following quality-by-design principles for method development. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 410-418.	1.4	17
26	Achievements in robotic automation of solvent extraction and related approaches for bioanalysis of pharmaceuticals. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1092, 402-421.	1.2	85
27	Rare cases of galactose metabolic disorders: identification of more than two mutations per patient. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2017, 30, 1119-1120.	0.4	5
28	Clinical evaluation and mutational analysis of GALK and GALE genes in patients with galactosemia in Greece: one novel mutation and two rare cases. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2017, 30, 775-779.	0.4	7
29	Mutational analysis of <i>GALT</i> gene in Greek patients with galactosaemia: identification of two novel mutations and clinical evaluation. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2017, 77, 423-427.	0.6	10
30	Chemometrically assisted development and validation of LC-MS/MS method for the analysis of potential genotoxic impurities in meropenem active pharmaceutical ingredient. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2017, 145, 307-314.	1.4	17
31	Study of the effect of CYP2C19 polymorphisms on omeprazole pharmacokinetics by utilizing validated LC-MS/MS and Real Time-PCR methods. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2017, 1047, 173-179.	1.2	12
32	Comparative In Vitro Controlled Release Studies on the Chronobiotic Hormone Melatonin from Cyclodextrins-Containing Matrices and Cyclodextrin: Melatonin Complexes. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1641.	1.8	23
33	Quantitation of brinzolamide in dried blood spots by a novel LC-QTOF-MS/MS method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 119, 84-90.	1.4	10
34	Partial biotinidase deficiency: identification of a single novel mutation (p.H314R) in a Greek newborn. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2016, 29, 389-90.	0.4	0
35	Hawkinsinuria in two unrelated Greek newborns: identification of a novel variant, biochemical findings and treatment. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2016, 29, 15-20.	0.4	13
36	Quantitation of pregabalin in dried blood spots and dried plasma spots by validated LC-MS/MS methods. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2015, 109, 79-84.	1.4	34

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37	Liquid chromatography coupled to quadrupole-time of flight tandem mass spectrometry based quantitative structure-retention relationships of amino acid analogues derivatized via n-propyl chloroformate mediated reaction. <i>Journal of Chromatography A</i> , 2015, 1403, 70-80.	1.8	17
38	Clinical diagnostic Next-Generation sequencing: The case of <i>CFTR</i> carrier screening. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2015, 75, 374-381.	0.6	14
39	Early screening of FTO and MC4R variants in newborns of Greek origin. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2015, 28, 619-22.	0.4	4
40	Quantitative structure-chemiluminescence intensity relationships of 4-substituted phenols acting as luminol signal enhancers. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015, 146, 478-484.	1.8	3
41	Glucose-6-Phosphate Dehydrogenase (G6PD) deficiency in Greek newborns: The Mediterranean C563T mutation screening. <i>Scandinavian Journal of Clinical and Laboratory Investigation</i> , 2014, 74, 259-263.	0.6	10
42	CRITICAL REVIEW ON THE ANALYTICAL METHODS FOR THE DETERMINATION OF ZWITTERIONIC ANTIEPILEPTIC DRUGS—VIGABATRIN, PREGABALIN, AND GABAPENTIN—IN BULK AND FORMULATIONS. <i>Instrumentation Science and Technology</i> , 2014, 42, 486-512.	0.9	11
43	Vigabatrin in dried plasma spots: Validation of a novel LC-MS/MS method and application to clinical practice. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014, 962, 102-108.	1.2	12
44	Effects of derivatization reagents consisting of n-alkyl chloroformate/n-alcohol combinations in LC-ESI-MS/MS analysis of zwitterionic antiepileptic drugs. <i>Talanta</i> , 2013, 116, 91-99.	2.9	17
45	Chemometrics in Chromatography. <i>Chromatographia</i> , 2013, 76, 207-209.	0.7	1
46	High incidence of partial biotinidase deficiency cases in newborns of Greek origin. <i>Gene</i> , 2013, 524, 361-362.	1.0	23
47	Stepwise optimization approach for improving LC-MS/MS analysis of zwitterionic antiepileptic drugs with implementation of experimental design. <i>Journal of Mass Spectrometry</i> , 2013, 48, 875-884.	0.7	21
48	Enhanced interpretation of newborn screening results without analyte cutoff values. <i>Genetics in Medicine</i> , 2012, 14, 648-655.	1.1	117
49	Safety and Pharmacokinetics of Oseltamivir for Prophylaxis of Neonates Exposed to Influenza H1N1. <i>Pediatric Infectious Disease Journal</i> , 2012, 31, 527-529.	1.1	20
50	Improved Performance of Antigen-HRP Conjugate-based Immunoassays after the Addition of Anti-HRP Antibody and Application of a Liposomal Chemiluminescence Marker. <i>Analytical Sciences</i> , 2012, 28, 753-757.	0.8	8
51	Characterization of the molecular spectrum of Medium-Chain Acyl-CoA Dehydrogenase Deficiency in a Greek newborns cohort: Identification of a novel variant. <i>Clinical Biochemistry</i> , 2012, 45, 1167-1172.	0.8	5
52	Optimizing the Generalization Ability of Artificial Neural Networks in ELISA Protocols by Employing Different Topologies and GENETIC Operators. , 2012, , 20-29.		0
53	Mutational analysis for biotinidase deficiency of a Greek patients' cohort ascertained through expanded newborn screening. <i>Journal of Human Genetics</i> , 2011, 56, 861-865.	1.1	10
54	Clinical validation of cutoff target ranges in newborn screening of metabolic disorders by tandem mass spectrometry: A worldwide collaborative project. <i>Genetics in Medicine</i> , 2011, 13, 230-254.	1.1	308

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55	Advantages of Automation in Plasma Sample Preparation Prior to HPLC/MS/MS Quantification: Application to the Determination of Cilazapril and Cilazaprilat in a Bioequivalence Study. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 758-764.	0.7	4
56	Validation of an Oil-in-Water Microemulsion Liquid Chromatography Method for Analysis of Perindopril tert-Butylamine and Its Impurities. <i>Journal of AOAC INTERNATIONAL</i> , 2011, 94, 723-734.	0.7	10
57	Desirability-based optimization and its sensitivity analysis for the perindopril and its impurities analysis in a microemulsion LC system. <i>Microchemical Journal</i> , 2011, 99, 454-460.	2.3	53
58	Validation of a novel LC-MS/MS method for the quantitation of colistin A and B in human plasma. <i>Journal of Separation Science</i> , 2011, 34, 37-45.	1.3	45
59	HILIC-MS/MS for the Determination of Polar Bioactive Substances. <i>Chromatographic Science</i> , 2011, , 427-444.	0.1	1
60	Dried plasma spots as an alternative sample collection technique for the quantitative LC-MS/MS determination of gabapentin. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 1339-1347.	1.9	46
61	Validation of a Novel, Fully Automated High Throughput High-Performance Liquid Chromatographic/Tandem Mass Spectrometric Method for Quantification of Pantoprazole in Human Plasma. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 1129-1136.	0.7	11
62	Expanded newborn screening in Greece: 30 months of experience. <i>Journal of Inherited Metabolic Disease</i> , 2010, 33, 341-348.	1.7	33
63	Validation of a novel, fully automated high throughput high-performance liquid chromatographic/tandem mass Spectrometric method for quantification of pantoprazole in human plasma. <i>Journal of AOAC INTERNATIONAL</i> , 2010, 93, 1129-36.	0.7	4
64	Development and validation of an improved high-throughput method for the determination of anastrozole in human plasma by LC-MS/MS and atmospheric pressure chemical ionization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 853-859.	1.4	18
65	Comparison of hydrophilic interaction and reversed-phase liquid chromatography coupled with tandem mass spectrometric detection for the determination of three pharmaceuticals in human plasma. <i>Biomedical Chromatography</i> , 2008, 22, 1393-1402.	0.8	21
66	Validation of a fully automated high throughput liquid chromatographic/tandem mass spectrometric method for roxithromycin quantification in human plasma. Application to a bioequivalence study. <i>Biomedical Chromatography</i> , 2008, 22, 494-501.	0.8	14
67	An improved and fully validated LC-MS/MS method for the simultaneous quantification of simvastatin and simvastatin acid in human plasma. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 46, 771-779.	1.4	40
68	Effect of the luminol signal enhancer selection on the curve parameters of an immunoassay and the chemiluminescence intensity and kinetics. <i>Talanta</i> , 2007, 71, 906-910.	2.9	39
69	Turbulent flow and ternary column-switching on-line clean-up system for high-throughput quantification of risperidone and its main metabolite in plasma by LC-MS/MS Application to a bioequivalence study. <i>Talanta</i> , 2007, 72, 360-367.	2.9	30
70	An improved high-throughput liquid chromatographic/tandem mass spectrometric method for terbinafine quantification in human plasma, using automated liquid-liquid extraction based on 96-well format plates. <i>Biomedical Chromatography</i> , 2007, 21, 201-208.	0.8	20
71	Quantitative determination of donepezil in human plasma by liquid chromatography/tandem mass spectrometry employing an automated liquid-liquid extraction based on 96-well format plates. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 848, 239-244.	1.2	41
72	Simultaneous determination of losartan, EXP-3174 and hydrochlorothiazide in plasma via fully automated 96-well-format-based solid-phase extraction and liquid chromatography-negative electrospray tandem mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 593-601.	1.9	31

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73	Application of a semi-automated 96-well format solid-phase extraction, column-switching, fluorescence detection protocol for the determination of alendronate in human urine samples obtained from a bioequivalence study. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1151-1155.	1.4	20
74	Development and validation of a rapid 96-well format based liquid-liquid extraction and liquid chromatography-tandem mass spectrometry analysis method for ondansetron in human plasma. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2006, 836, 79-82.	1.2	33
75	Development of a high-throughput method for the determination of itraconazole and its hydroxy metabolite in human plasma, employing automated liquid-liquid extraction based on 96-well format plates and LC/MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 384, 199-207.	1.9	38
76	The novel GABA adamantane derivative (AdGABA): design, synthesis, and activity relationship with gabapentin. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 2791-2798.	1.4	41
77	Development of a rapid liquid chromatography tandem mass spectrometry method for the determination of lisinopril, applicable for a bioequivalence study, employing a 96-well format solid phase extraction protocol. <i>Analytica Chimica Acta</i> , 2005, 551, 177-183.	2.6	11
78	Development of a rapid method for the determination of glimepiride in human plasma using liquid-liquid extraction based on 96-well format micro-tubes and liquid chromatography/tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2055-2061.	0.7	32
79	Application of Avidin-Biotin Technology for the Characterization of a Model Hapten-Protein Conjugate. <i>Journal of Immunoassay and Immunochemistry</i> , 2005, 26, 285-293.	0.5	3
80	In Vitro Percutaneous Absorption of Pine Bark Extract (Pycnogenol) in Human Skin. <i>Cutaneous and Ocular Toxicology</i> , 2005, 23, 149-158.	0.3	14
81	Employment of 4-(1-imidazolyl)phenol as a luminol signal enhancer in a competitive-type chemiluminescence immunoassay and its comparison with the conventional antigen-horseradish peroxidase conjugate-based assay. <i>Analytica Chimica Acta</i> , 2004, 509, 103-109.	2.6	39
82	Efficient determination and evaluation of model cyclodextrin complex binding constants by electrospray mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 1123-1129.	1.2	60
83	Inclusional complex study between 6-p-toluidinylnaphthalene-2-sulfonate and 2-hydroxypropyl-beta-cyclodextrin. <i>Journal of Proteomics</i> , 2002, 52, 121-134.	2.4	4
84	Kinetic degradation study of insulin complexed with methyl-beta cyclodextrin. Confirmation of complexation with electrospray mass spectrometry and ¹ H NMR. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2002, 29, 487-494.	1.4	43
85	Determination of umbilical cord and maternal plasma concentrations of fentanyl by using novel spectrophotometric and chemiluminescence enzyme immunoassays. <i>Analytica Chimica Acta</i> , 2002, 459, 177-185.	2.6	25
86	Interaction of 6-p-toluidinylnaphthalene-2-sulphonate with Î²-cyclodextrin. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 23, 997-1003.	1.4	52
87	Per Os Administered Modified-Release Solid Formulations of Melatonin: A Review of the Latest Developments Including the Design of Experiments (DoE) Approach. , 0, , .		0